

DRILL HOLES

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BORDER REV: DATE: JUNE 1, 2004

PROJECT DESCRIPTION

I. GENERAL

This project involves the installation of a battery backup system and meter pedestal for the existing Traffic Control signal at the intersection of US 29 AND Rivers Edge Road in Howard County. Additionally all traffic signal heads shall be upgraded to LED traffic signal heads. US 29 is assumed to run in a north - south direction.

II. INTERSECTION OPERATION

- The existing full-traffic-actuated, eight-phase controller with all necessary equipment housed in a NEMA size "6" base-mounted cabinet shall be utilized at this intersection.
- A new NEMA size "6" base-mounted cabinet with battery back-up shall be installed at this intersection.

III. SPECIAL NOTES

- All controller cabinet wiring will be performed by the S.H.A. Signal Shop Contact Mr. Ed Rodenhizer at (410) 787-7650 seventy-two hours in advance of intended work.

The contact persons for District #7 are as follows:

Mr. John Concannon  
Assistant District Engineer - Traffic  
Phone: (310) 624-8141

Mr. Ray Johnson  
Assistant District Engineer - Maintenance  
Phone: (310) 624-8106

Ms Andrea Abend  
District Engineer - Utility  
Phone: (301) 624-8110

Mr. Richard L. Daff, Sr.  
Chief, Traffic Operations Division  
Phone: (410) 787-7630

Mr. Ed Rodenhizer  
Signal Shop  
410-787-7652

The power company representative is:

Mr. Steve Schneider  
Baltimore Gas and Electric  
7317 Parkway Drive South  
Hanover, MD 21076  
410-859-9310

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY S.H.A.

ITEM NO.	DESCRIPTION	QUANTITY
	THERE IS NO EQUIPMENT TO BE SUPPLIED BY THE SHA.	

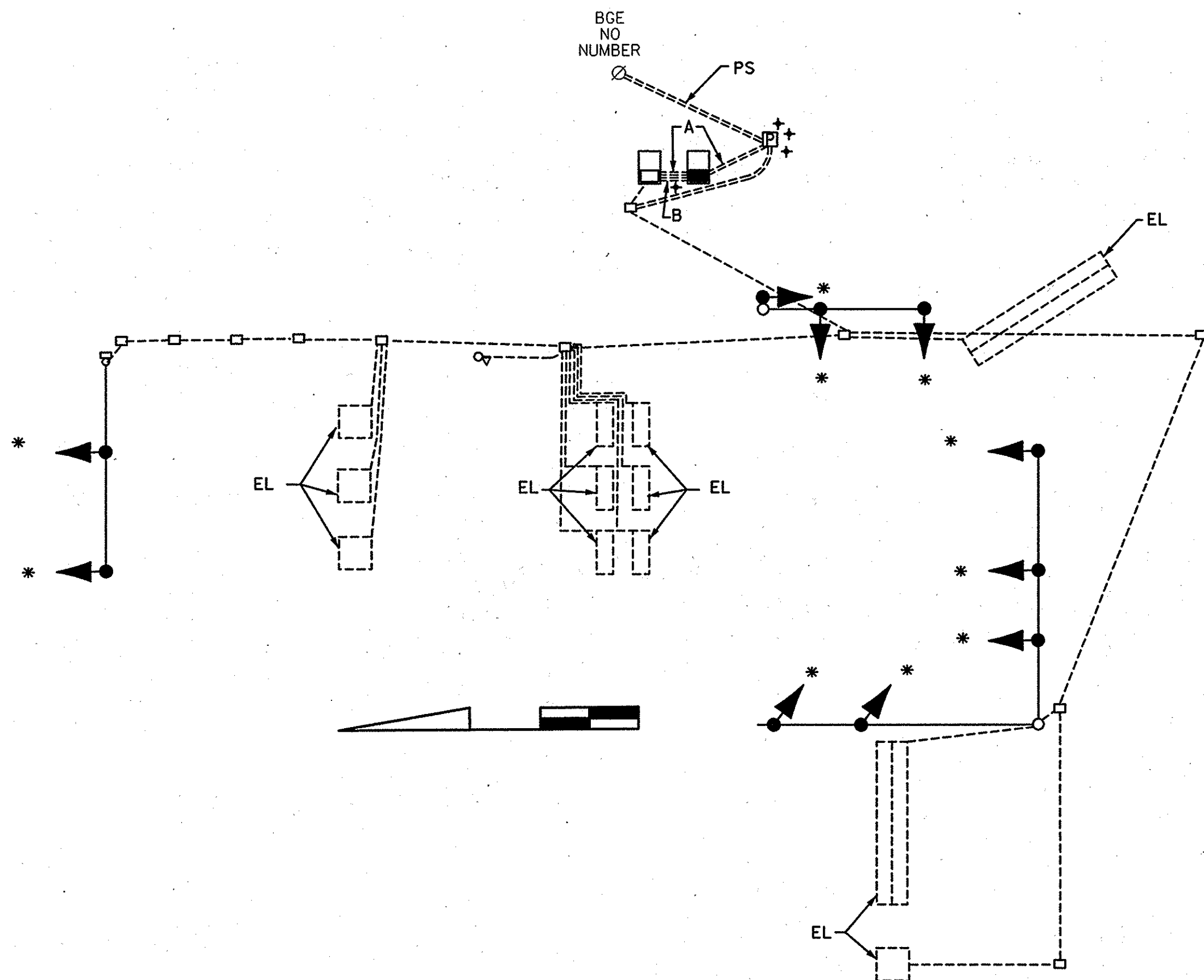
B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

ITEM NO.	DESCRIPTION	QUANTITY
1001	Maintenance of traffic per assignment.	3 EA
2002	Test Pit Excavation	2 C.Y.
8001	12" LED signal head section.	24 EA
8022	Remove and dispose of existing material and equipment per assignment.	1 EA
8036	Schedule 80 rigid PVC conduit up tp 4" - trenched.	95 L.F.
8044	Metered service pedestal embedded.	1 EA
8046	Electrical cable 1-conductor No. 4 AWG THHN/THWN.	90 L.F.
8058	Electrical cable - 7 conductor (No. 14 AWG).	30 L.F.
Neg.	Cabinet size "6" and battery back-up system.	1 EA

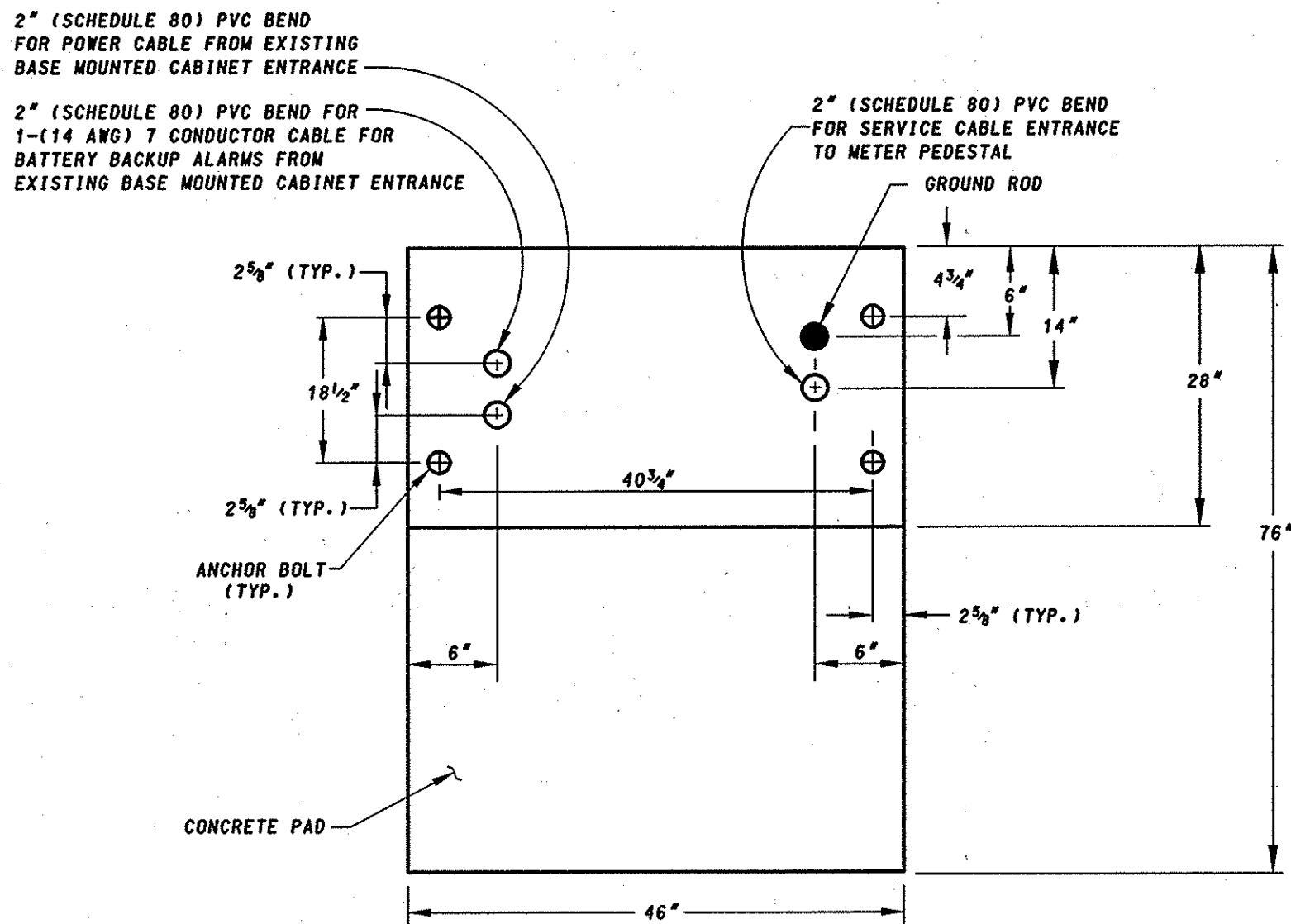
PHASE CHART

THERE IS NO PHASE CHART FOR THIS PROJECT.

WIRING DIAGRAM



WIRING KEY
A - 3-1 CONDUCTOR ELECTRICAL CABLE (NO. 4 A.W.G.)
B - 7 CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.) FOR ALARM
EL - LOOP WIRE (NO. 14 A.W.G.) EXISTING
* - USE EXISTING CABLE
PS - PROPOSED UNDERGROUND SERVICE TO BE INSTALLED BY BGE
+ - GROUND ROD

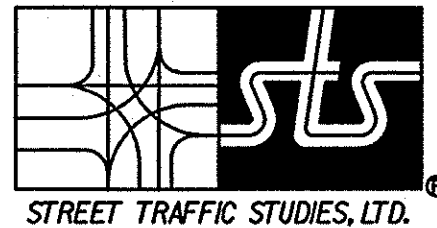


TYPICAL PLAN VIEW FOR BATTERY BACKUP CABINET

NOTE:

- ALL CONDUIT BENDS ARE SUBJECT TO CHANGE AS PER CABINET LOCATION.
- REFER TO WIRING DIAGRAM ON THIS SHEET FOR SPECIFIC DETAILS.

SHA: No.: HO407A52/C52  
BW425M84  
TOD No.: AX142-05  
US 29, US 40, MD 32 MD175



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PLOTTED: 4/18/07  
FILE: 5271ag1.dgn

<b>SHA</b> STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION	
US 29 AND RIVERS EDGE ROAD COLUMBIA, MARYLAND	
GENERAL INFORMATION SHEET	
SCALE NONE	DATE 4/18/07
CONTRACT NO. AX1425185	
DESIGNED BY JWA	COUNTY HOWARD
DRAWN BY RC	LOGMILE 13002903.65
CHECKED BY	TMS NO. 1288
F.A.P. NO.	TOD NO.
TS NO. 2135D-61	DRAWING NO. 2 OF 2
SHEET NO. OF	